Complete and send this form, together with applica-

TUNE P - EMPLOY ----/fee(s), to: Mail

Mail Stop ISSUE FEE: Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000 or <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed wh appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "PEE ADDRESS" maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

7590

06/20/2005

LAWRENCE E ASHERY RATNER & PRESTIA SUITE 301 ONE WESTLAKES BERWYN **POST OFFICE BOX 980** VALLEY FORGE, PA 194820980



Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompany papers. Each additional paper, such as an assignment of formal drawing, m have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

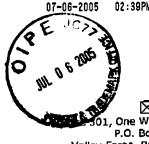
I hereby certify that this Fee(s) Transmittal is being deposited with the Up States Postal Service with sufficient postage for first class mail in an envel addressed to the Mail Stop ISSUE FEE address above, or being facsim transmitted to the USPTO (703) 746-4000, on the date indicated below.

Debor	ah Spratt	(Depositor's на
Deb	oral Spatt	(Slgnat
July	6, 2005	æ

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/458,882	12/10/1999	MILIO MIZUTANI	MAT-4351US1	9396

TITLE OF INVENTION: MODULATOR AND DEMODULATOR (MODEM)

				The state of the s	7074	L PEE(S)	DIE I	DATE DUE
APPLN. TYPE	SMALL ENTITY	ISSUB FE	E	PUBLICATION FEE	1 1012			
nonprovisional	NO	\$1400		\$0		\$ <del>140</del> 0-	1430	09/20/2005
EXAM	MNER	ART UNI	T	CLASS-SUBCLASS				
WALLERSO	ON, MARK E	2626		358-468000		<u></u>		
CFR 1.363).  Change of corresponded to the control of the control	ation (or "Fee Address" Indiction for more recent) attached. Us  D RESIDENCE DATA TO Be an assignee is identified by a 37 CFR 3.11. Completion NEE	Correspondence ation form c of a Customer  BE PRINTED ON T sclow, no assignce of this form is NOT  (B)	(1) the mor agents (2) the meregistere 2 register listed, no HE PATEN lata will are a substitut () RESIDEN	pear on the patent. If an action of the patent of the pate	g as a member names of up to the name of the nam	a 2	low, the doc:	1400.00 OP 30.00 OP
Please check the appropriat	te assignee category or categ		Payment	<u> </u>	Corporation	or other	buvate Gron	entity Governm
Issue Fcc	¢ onoiosou.		A chec	k in the amount of the fee(s	) is enclosed.			
	small entity discount permit	red)	2 Payme	at by credit card. Form PTC	-2038 is attacl	hed		
Advance Order - # o	1 ^		The Deposit A	irector is bereby authorized	by charge the	required (enclose	fec(s), or cr an extra cop	edit any overpayment y of this form).
D a Applicant claims	s (from status indicated above SMALL ENTITY status. See	37 CFR 1.27.	🗖 в. Арр	licant is no longer claiming	SMALL ENT	TY status	s. See 37 CF	( 1,27(g)(2).
The Director of the USPTO NOTE: The Issue Fee and interest as shown by the re-	Districtures ted to apply the Is Publication Fee (if required) fords of the United States Pa	sue Fee and Publica will not be accepted tight and Trademark	tion Fee (if i from any Office	any) or to re-apply any pre one other than the applicant	viously paid is a registered at	temey or	agent, or the	assignee or other part
Authorized Signature	gen C	(2)	KX	Date _	July			
Typed or printed name	Lawrence E.		/_	<del>-</del>	ration No. 3			
this form and/or suggestion Box 1450, Alexandria, Vin	tion is required by 37 CFR 1 aliry is governed by 35 U.S. application form to the USP as for reducing this burden, rginia 22313-1450. DO NO 3-1450.	should be sent to the SEND FEES OR	e Chief Inf	ormation Officer, U.S. Pate ED FORMS TO THIS AD	nt and Tradema ORESS, SEND	ark Office TO: Con	e, U.S. Depar nmissioner fo	trient of Commerce, P or Patents, P.O. Box 14
Under the Paperwork Redu	uction Act of 1995, no person	ns are-required to re-	spond to a	collection of information un	less-it displays	a valid O	MB-control r	umber





701, One Westlakes, Berwyn P.O. Box 980 Valley Forge, PA 19482-0980 Phone: 610-407-0700 Fax: 610-407-0701 Nemours Building 1007 Orange Street, Suite 1100 P.O. Box 1596 Wilmington, DE 19899 Phone: 302-778-2500 Fax: 302-778-2600

ax: 302-778-2600 www.ratnerprestia.com Suite 265
Commerce Corporate Center
5100 Tilghman Street
Allentown, PA 18104
Phone: 610-530-8100

Fax: 610-530-8200

	USPTO	FAX NO.:	(703) 746-4000	*****
DATE:	July 6, 2005	TIME:		
	FAX FILLING IN	IUS PATENT & TRA	DEMARK OFFICE	

FROM: Lawrence E. Ashery ADMIN. ASST.: D. Spratt

APPLN. NO.: 09/458,882 ATTY. DOCKET NO.: MAT-4351US1

TITLE OF APPLN.: MODULATOR AND DEMODULATOR (MODEM)

FILING DATE: December 10, 1999 ART UNIT: 2626

CONF. NO.: 9396

TITLE OF DOCUMENT (and List of Attachments): Issue Fee Transmittal, Transmittal Form, and

USPTO Credit Card Payment Form

FIRST INVENTOR: Mikio Mizutani et al.

CUSTOMER NO. 23122

Total Number of Pages: 5 (including this form)

COMMENTS	
33.11.12.77.0	

## CONFIDENTIAL AND PRIVILEGED ATTORNEY/CLIENT INFORMATION

This facsimile transmission (and/or documents accompanying it) may contain attorney/client privileged communications and confidential business information that is intended for use only by the Individual or company to whom it is addressed. Disclosure, interception, copying or any other use of this transmission by anyone other than any intended recipient is prohibited. If you receive this transmission by mistake, please notify the sender.

Please notify us immediately if you have not received the number of pages indicated above.

JUL 0 6 2005

PTO/SB/21 (09-04) (AW 10/2004)
Approved for use through 7/31/2006. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## **TRANSMITTAL FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	09/458,882	
Filing Date	December 10, 1999	
First Named Inventor	Mikio Mizutani et al	
Art Unit	2826	
Examiner Name	Mark E. Wallerson	
Attorney Docket No.	MAT-4351US1	

Fee Transmittal Form	ENCLOSURES (Check all that apply)					
Amendment/Reply		Drawing(s)				
After Final Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Brief) Power of Attomey, Revocation, Change of Correspondence Address Status Letter Chrief Copy of Priority Document(s) Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Proprietary Information Change of Correspondence Address Status Letter Chrief Enclosure(s) (please identify below): Issue Fee Transmittal (2) USPTO Credit Card Payment Form Remarks:  Remarks:  Signature Printed Name FatnerPrestia Signature Printed Name FatnerPrestia Signature Printed Name FatnerPrestia Signature Printed Name FatnerPrestia Firm Name FatnerPrestia Signature Printed Name FatnerPrestia Firm Name FatnerPrestia Signature Printed Status Fostal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:  Signature  Description  Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Proprietary Information  Information Disclosure Status Letter  Change of Correspondence Address  Status Letter  Christian Country  Status Letter  Request for Refund  Status Letter  Refund	Fee Attached	Licensing-related Papers	Appeal Communication to Board			
Affidavits/Declaration(s)	Amendment/Reply	Petition				
Extension of Time Request  Change of Correspondence Address  Status Letter  Status Letter  Other Enclosure(s) (please identify below):  Issue Fee Transmittal (2)  USPTO Credit Card Payment Form  Response to Missing Parts/ Incomplete Application  Response to Missing Parts under 37 CFR 1.52 or 1.53  SIGNATURE OF APPLICANT, ATTORNEY OR AGENT  Firm Name PatnerPrestia  Signature  Printed Name Lawrence E. Ashery  Data  July 6, 2005  Registration No. 34,515  CERTIFICATE OF TRANSMISSION / MAILING  I hereby certify that this correspondence is being facsimite transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:  Signature  Output  Other Enclosure(s) (please identify below):  Issue Fee Transmittal (2) USPTO Credit Card Payment Form  Remarks:  CERTIFICATE OF TRANSMISSION / MAILING  I hereby certify that this correspondence is being facsimite transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:  Signature			(Appeal Notice, Brief, Reply			
Express Abandonment Request  Terminal Disclaimer  Other Enclosure(s) (please identify below):  Request for Refund  Certified Copy of Priority Document(s)  Response to Missing Parts/ Incomplete Application  Response to Missing Parts under 37 CFR 1.52 or 1.53  SIGNATURE OF APPLICANT, ATTORNEY OR AGENT  Firm Name  RatnerPrestia  Signature  Printed Name  Lawrence E. Ashery  Date  July 6, 2005  Registration No.  1 hereby certify that this correspondence is being facalimite transhitted to the USPTO or deposited with the United Status Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:  Signature  Description:  Description:  Request for Refund  Description:  Certified Copy of Priority Document(s)  Issue Fee Transmittal (2) USPTO Credit Card Payment Form  Issue Fee Transmittal (2) USPTO Credit Card Payment Form  Remarks:  Request for Refund  Issue Fee Transmittal (2) USPTO Credit Card Payment Form  Remarks:  Request for Refund  Issue Fee Transmittal (2) USPTO Credit Card Payment Form  Remarks:  Request for Refund  Issue Fee Transmittal (2) USPTO Credit Card Payment Form  Remarks:  Registration No.  34,515	Extension of Time Request	Change of Correspondence	Proprietary Information			
Information Disclosure Statement  Request for Refund  Certified Copy of Priority Document(s)  Certified Copy of Priority Document(s)  Response to Missing Parts/ Incomplete Application  Response to Missing Parts Incomplete Application  Response to	Express Abandonment Request		Status Letter			
Certified Copy of Priority Document(s)  Response to Missing Parts/ Incomplete Application Response to Missing Parts USPTO Credit Card Payment Form  Remarks:  Remarks:  Signature Printed Name Lawrence E. Ashery Date July 6, 2005  CERTIFICATE OF TRANSMISSION / MAILING  I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:  Signature  Output  Date  Date						
Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53  SIGNATURE OF APPLICANT, ATTORNEY OR AGENT  Firm Name RatnerPrestia  Signature Printed Name Lawrence E. Ashery  Date  July 6, 2005  Registration No. 34,515  CERTIFICATE OF TRANSMISSION / MAILING  I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:  Signature  Debara Spist		CD, Number of CD(s)				
SIGNATURE OF APPLICANT, ATTORNEY OR AGENT  Firm Name RatnerPrestia  Signature Printed Name Lawrence E. Ashery  Date July 6, 2005 Registration No. 34,515  CERTIFICATE OF TRANSMISSION / MAILING  I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:  Signature Defect Specific	The sported to missing i silver					
Signature Printed Name Lawrence E. Ashery  Date July 6, 2005  CERTIFICATE OF TRANSMISSION / MAILING  Thereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:  Signature  Description:						
Signature Printed Name Lawrence E. Ashery  Date July 6, 2005  CERTIFICATE OF TRANSMISSION / MAILING  Thereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:  Signature  Description:						
Signature  Printed Name  Lawrence E. Ashery  Date  July 6, 2005  Registration No. 34,515  CERTIFICATE OF TRANSMISSION / MAILING  I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:  Signature  Description:  Signature  Description:  Descriptio	SIGNATURE OF APPLICANT, ATTORNEY OR AGENT					
Printed Name Lawrence E. Ashery  Date July 6, 2005 Registration No. 34,515  CERTIFICATE OF TRANSMISSION / MAILING  I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:  Signature  Description:	Firm Name RatnerPrestia	/ 2///				
Date  July 6, 2005  CERTIFICATE OF TRANSMISSION / MAILING  I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:  Signature  Description No. 34,515						
CERTIFICATE OF TRANSMISSION / MAILING  I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:  Signature  Description:						
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:  Signature  Description:	Date / July 6, 2005 / Registration No.   34,515					
postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexardia, VA 22313-1450 01112 Class deline Commissioner for Patents, P.O. Box 1450, Alexardia, VA 22313-1450 01112 Class deline Commissioner for Patents, P.O. Box 1450, Alexardia, VA 22313-1450 01112 Class deline Commissioner for Patents, P.O. Box 1450, Alexardia, VA 22313-1450 01112 Class deline Commissioner for Patents, P.O. Box 1450, Alexardia, VA 22313-1450 01112 Class deline Commissioner for Patents, P.O. Box 1450, Alexardia, VA 22313-1450 01112 Class deline Commissioner for Patents, P.O. Box 1450, Alexardia, VA 22313-1450 01112 Class deline Commissioner for Patents, P.O. Box 1450, Alexardia, VA 22313-1450 01112 Class deline Commissioner for Patents, P.O. Box 1450, Alexardia, VA 22313-1450 01112 Class deline Commissioner for Patents, P.O. Box 1450, Alexardia, VA 22313-1450 01112 Class deline Commissioner for Patents, P.O. Box 1450, Alexardia, VA 22313-1450 01112 Class deline Commissioner for Patents, P.O. Box 1450, Alexardia, VA 22313-1450 01112 Class deline Commissioner for Patents, P.O. Box 1450, Alexardia, P.O. Bo						
Signature Deboral Spratt	I hereby certify that this correspondence is being facsimile transmitted to the USPTQ or deposited with the United States Postal Service with sufficient nostage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:					
Date   lub 6 2005	31					
	Typed or Printed Name   Deborah Spratt		Date July 6, 2005			

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the smourn of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, ALEXANDRIA, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.